

SOLICITATION, OFFER AND AWARD (Construction, Alteration, or Repair)	1. SOLICITATION NO. F48608-99-R0010	2. TYPE OF SOLICITATION () SEALED BID (IFB) (X) NEGOTIATED (RFP)	3. DATE ISSUED 22 FEB 99	PAGE OF PAGES 1 of 34
	J			

IMPORTANT -The "offer" section on the reverse must be fully completed by the offeror.

4. CONTRACT NO.	5. REQUISITION/PURCHASE REQUEST NO. FQDEUD83490400	6. PROJECT NO. GHLN 98-1608 Repair and Maintain Tuckpoint for Base Facilities
-----------------	-----------------------------------------------------------	-----------------------------------------------------------------------------------------

7. ISSUED BY _____ 90 th CONTRACTING SQUADRON 7505 MARNE LOOP F E WARREN AFB, WY 82005-2860	CODE	8. ADDRESS OFFER TO 90 th CONTRACTING SQUADRON 7505 MARNE LOOP F E WARREN AFB, WY 82005-2860 DO: C2 SIC CODE : 1741 SIZE STD: \$7,000,000
----------------------------------------------------------------------------------------------------------------------------	------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

9. FOR INFORMATION CALL:	A. NAME BUYER: A1C STEPHEN CROOKS	B. TELEPHONE NO. (Include area code) (NO COLLECT CALLS) (307) 773-3917 FAX (307) 773-4636
-----------------------------	--------------------------------------	----------------------------------------------------------------------------------------------

SOLICITATION

NOTE: In sealed bid solicitations "offer" and offeror" mean "bid" and "bidder"

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying no., date)

SEE SCHEDULE

FACSIMILE PROPOSALS OR MODIFICATIONS AND BONDS WILL NOT BE ACCEPTED

ENTER PRICES IN SECTION B.

FAILURE TO ENTER PRICING FOR ALL CLINS WILL BE CAUSE FOR REJECTION

USE TYPEWRITER OR BLACK INK

THIS ACQUISITION IS UNRESTRICTED

AWARD WILL BE MADE PURSUANT TO THE SMALL BUSINESS COMPETITIVE DEMONSTRATION PROGRAM

SEE SECTION L FOR PROPOSAL INSTRUCTIONS PRICE-PERFORMANCE TRADE OFF TYPE CONTRACT

CONTRACTOR TO COMPLETE BLOCK 30A, 30B, 30C, REVERSE OF SF FORM 1442

11. The Contractor shall begin performance within ____*____ & complete it within ____*____ calendar days after receiving notice to proceed.

This performance period is negotiable.

*(See Sec F 52.211-10)

12A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? (If yes, indicate within how many days after award in item 12B.) (X) YES () NO	12B. CALENDAR DAYS 20
--------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------

13. ADDITIONAL SOLICITATION REQUIREMENTS:

A. Sealed offers in original and 0 copies to perform the work required are due at the place specified in item 8 by **3:00PM** (Hour) LOCAL TIME **22 MARCH 99**. If this is a sealed bid solicitation, offers will be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offer's name and address, the solicitation number and the date and time offers are due.

B. An offer guarantee IS REQUIRED

C. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation full text of by reference.

D. Offers providing less than 60 calendar days for Government acceptance after the date offers are due will be considered non-responsive and will be rejected.

OFFER (Must be fully completed by offeror)

14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code)	15. TELEPHONE NO. (Include area code)
	FAX
	16. REMITTANCE ADDRESS (Include only if different than item 14)
DUNS # _____	
CODE _____ FACILITY CODE _____	

17. The offer agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within ____ calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirements stated in Item 13D. Failure to insert any number means offeror accepts the minimum in Item 13D.)

AMOUNTS > >

SEE SECTION B

18. The offeror agrees to furnish any required performance and payment bonds.

19. ACKNOWLEDGMENT OF AMENDMENTS

(The offeror acknowledges receipt of amendments to the solicitation - give number and date of each)

AMENDMENT NO.									
DATE									

20A. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN YOUR OFFER(Type or print)

20B. SIGNATURE

20C. OFFER DATE

21. ITEM ACCEPTED:

22. AMOUNT

23. ACCOUNTING AND APPROPRIATION DATA
SEE SECTION G24. SUBMIT INVOICES TO ADDRESS SHOWN IN ITEM 26
(1 ORIGINAL UNLESS OTHERWISE SPECIFIED)

25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO

() 10 USC 2304(c) (5)

() 41 USC 253 (c)

26. ADMINISTERED BY

CODE _____

90th Contracting Squadron
7505 Marne Loop
FE Warren AFB, WY 82005-2860

27. PAYMENT WILL BE MADE BY

DFAS-SB/FP
1111 East Hill Street
San Bernardino, CA 92408-1621

CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

(X) 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return to issuing office). Contractor agrees to furnish & deliver all work, requisitions identified on this form & any continuation sheets for the consideration slated in this contract. The rights & obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitations, & (c) the clauses, representations, certifications, & specifications or incorporated by references in or attached to this contract.

() 29. AWARD (Contractor is not required to sign this document). Your offer on this solicitation is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Governments solicitation and your offer and (b) this contract award. No further contractual document is necessary.

30A. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN (Type or print)

31A. NAME OF CONTRACTING OFFICER (Type or Print)

30B. SIGNATURE

30C. DATE

31B. UNITED STATES OF AMERICA

31c. AWARD DATE

A-1.

		Table of Contents	
X	Section	Description	Pages
		PART I - THE SCHEDULE	
X	A	Solicitation/Contract Form	1-2
X	B	Supplies or Services and Prices/Costs	4-5
X	C	Description/Specs/Work Statement	5
	D	Packaging and Marking	N/A
X	E	Inspection and Acceptance	5
X	F	Deliveries or Performance	6
X	G	Contract Administration Data	6-7
	H	Special Contract Requirements	N/A
		PART II - CONTRACT CLAUSES	
X	I	Contract Clauses	8-16
		PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS	
X	J	List of Attachments	17
		PART IV - REPRESENTATIONS AND INSTRUCTIONS	
X	K	Representations, Certifications, and Other Statements of Offerors	18-21
X	L	Instructions, Conditions, and Notices to Offerors	22-32
X	M	Evaluation Factors	33-34

PART 1 THE SCHEDULE
SECTION B
SUPPLIES OR SERVICES AND PRICES/COSTS

SCHEDULE FOR BASIC PERIOD

BASIC PERIOD: ONE (1) YEAR FROM DATE OF AWARD

BASIC YEAR					
CLIN	Supply/Service	Unit Meas	Est Qty	Unit Cost	Estimated Total
0001	Tuckpoint/Brick Replacement Ground to <15ft.	SF	10000		
0002	Tuckpoint/Brick Replacement 15ft. to 30ft	SF	15000		
0003	Tuckpoint/Brick Replacement 30ft. to 45ft	SF	24855		
0004	Tuckpoint/Brick Replacement 45ft. to 60ft	SF	9000		
0005	Tuckpoint/Brick Replacement >60ft.	SF	4000		

ESTIMATED TOTAL FOR BASIC PERIOD (CLINS
0001 Through 0005)

SCHEDULE FOR OPTION PERIOD

FIRST OPTION PERIOD: ONE (1) YEAR FROM DATE OF OPTION EXERCISE

First Option Year					
CLIN	Supply/Service	Unit Meas	Est Qty	Unit Cost	Estimated Total
0006	Tuckpoint/Brick Replacement Ground to <15ft.	SF	10000		
0007	Tuckpoint/Brick Replacement 15ft. to 30ft	SF	15000		
0008	Tuckpoint/Brick Replacement 30ft. to 45ft	SF	24855		
0009	Tuckpoint/Brick Replacement 45ft. to 60ft	SF	9000		
0010	Tuckpoint/Brick Replacement >60ft.	SF	4000		

ESTIMATED TOTAL FOR OPTION PERIOD (CLINS 0006 THRU
0010)

TOTAL ESTIMATED COSTS FOR BASIC AND
OPTION ONE (1)
(CLIN 0001 thru CLIN 0010)

NOTES:

(a) The estimated quantity in this schedule is the Government's best estimate of the total quantities required. This estimate is not a representation that the estimated quantity will be required or ordered, or that conditions affecting requirements will be stable or normal.

(b) Offerors must provide a price for all CLINS (Basic and Option) to be considered responsive.

B-1. **CLAUSES AND PROVISIONS**

(a) Clauses and provisions from the Federal Acquisition Regulation (FAR) and supplements thereto are incorporated in this document by reference and in full text. Those incorporated by reference have the same force and effect as if they were given in full text.

(b) Clauses and provisions in this document will be numbered in sequence, but will not necessarily appear in consecutive order.

(c) Sections K, L and M will be physically removed from any resultant award, but will be deemed to be incorporated, by reference, in that award.

**PART I - THE SCHEDULE
SECTION C
DESCRIPTION/SPECIFICATIONS/WORK STATEMENT
FEDERAL ACQUISITION REGULATION**

C-1. **SPECIFICATIONS, STANDARDS AND DRAWINGS**
(IAW FAR 10.008)

The following documents, which constitute the work description, specifications and Statement of Work to define the task requirements for performance under this contract, are hereby incorporated into this contract either by reference or full text:

Specifications for project GHLN 98-1608, Maintain and Repair Tuckpoint Masonry for Base Facilities, dated 22 Jan 99, referenced in Section J.

**PART I - THE SCHEDULE
SECTION E
INSPECTION AND ACCEPTANCE**

E-18.	52.246-12	INSPECTION OF CONSTRUCTION (IAW FAR 46.312	AUG 1996
-------	------------------	------------------------------------------------------	----------

PART I - THE SCHEDULE
SECTION F
DELIVERIES OR PERFORMANCE

F-5 **EXCLUSION OF PERIODS IN COMPUTING COMPLETION SCHEDULES**
(X) APPLICABLE WHEN CHECKED

No work will be required during the period **between 1 November and 30 April, inclusive** and such period has been considered in computing the time allowed for completion. The contractor may, however, perform work during all or any part of this period of winter upon giving prior written notice to the Contracting Officer. The contractor must have Contracting Officer approval in writing to work during winter exclusion.

52.211-10 **COMMENCEMENT, PROSECUTION, AND** **APR 1984**
COMPLETION OF WORK
(IAW FAR 11.404(b))

For the purposes of this provision the blank(s) are completed as follows:

- (a) within **10** days
- (c) not later than **AS SPECIFIED ON EACH DELIVERY ORDER**

F-20. **52.211-12** **LIQUIDATED DAMAGES--CONSTRUCTION** **APR 1984**
(IAW FAR 11.504(b))

For the purposes of this clause the blank(s) are completed as follows:

- (a) the sum of \$124.99 for each day of delay.

52.242-14 **SUSPENSION OF WORK** **APR 1984**
(IAW FAR 42.1305(a))

PERFORMANCE SCHEDULE **JUN 1991**

	Performance Period
Basic	1 year
Option 1	1 year

OPTION TO EXTEND SERVICES

The Contracting Officer may exercise the option (Specified in FAR Clause 52.217-8) by giving written notice to the contractor within 15 calendar days before contract expiration date.

PART I - THE SCHEDULE
SECTION G
CONTRACT ADMINISTRATION DATA

G-1. **ACCOUNTING AND APPROPRIATION DATA**

TO BE FURNISHED ON EACH DELIVERY ORDER

ADMINISTRATIVE MATTERS

JUN 1991

- a. The address and telephone number of the Contracting Officer (CO) and the Contract Specialist (CS) are:

Contracting Officer:
CURTIS E. SWAN II
7505 Marne Loop, F E Warren AFB WY, 82005-2860
(307)773-6949

Contract Specialist:
A1C Stephen E. Crooks
7505 Marne Loop, F E Warren AFB WY, 82005-2860
(307)773-3917

- b. The address and telephone number of Chief of Contracts Management and government inspector are:

Government Engineer:
Gary Davis
300 Vesle Dr, FE Warren AFB WY 82005-2860
(307)773-5105

Government Inspector:
Mike Marlin
300 Vesle Dr, FE Warren AFB WY 82005-2860
(307) 773-2288

- c. The address and telephone number of the paying office are:

DFAS-SB/FDT,
1111 East Mill Street,
San Bernardino, Contract Administrator. 92408
(800)779-1903

SUBMISSION OF INVOICES

- a. The contractor shall submit one (1) copy of invoices under this contract which shall cite the date, contract number, delivery order number, invoice number and company's name, mailing address and phone number. Invoices shall be submitted to the contracting office for certification before payment can be made by the Government payment office designated in block 27 of SF 1442.
- b. Reference contract clause I-387 52.232-5 Payment Under Fixed-Price Construction Contracts.

5352.232-9000

REMITTANCE ADDRESS
(IAW AFFARS 5332.908)

MAY 1996

If the remittance address is different from the mailing address, enter the remittance address below. Failure to provide this information may impact payment.

PART II - CONTRACT CLAUSES
SECTION I
CONTRACT CLAUSES

NO	FAR PARA	CLAUSE TITLE	DATE
FAR	52.252-2	CLAUSES INCORPORATED BY REFERENCE (IAW FAR 52.107(b))	FEB 1998
This contract incorporates one or more clauses by reference, with the same force and effects as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):			
		http://farsite.hill.af.mil OR FOR FAR ONLY PROVISIONS/CLAUSES	
		http://www.arnet.gov/far/ OR FOR DFARS ONLY PROVISIONS/CLAUSES	
		http://www.acq.osd.mil/dp/dars/dfars/dfars.html	
I-11.	52.202-1	DEFINITIONS (IAW FAR 2.201)	OCT 1995
I-12.	52.202-1	DEFINITIONS -- ALTERNATE I (IAW FAR 2.201)	APR 1984
I-19.	52.203-3	GRATUITIES (IAW FAR 3.202)	APR 1984
I-20.	52.203-5	COVENANT AGAINST CONTINGENT FEES (IAW FAR 3.404)	APR 1984
I-21.	52.203-6	RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT (IAW FAR 3.503-2)	JUL 1995
I-22.	52.203-7	ANTI-KICKBACK PROCEDURES (IAW FAR 3.502-3)	JUL 1995
I-23.	52.203-8	CANCELLATION, RECISSION, AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY (IAW FAR 3.104-9(a))	JAN 1997
I-25.	52.203-10	PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY (IAW FAR 3.104-9(b))	JAN 1997
I-25C.	52.203-12	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS (IAW FAR 3.808(b))	JUN 1997
I-39.	52.204-4	PRINTING/COPYING DOUBLE-SIDED ON RECYCLED PAPER (IAW FAR 4.304)	JUN 1996
I-78.	52.209-6	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT (IAW FAR 9.409(b))	JUL 1995
I-102.	52.211-15	DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS (IAW FAR 11.604(b))	SEP 1990
I-128.	52.215-2	AUDIT AND RECORDS--NEGOTIATION (IAW FAR 15.209(b)(1))	AUG 1996
I-129G.	52.215-8	ORDER OF PRECEDENCE--UNIFORM CONTRACT FORMAT (IAW FAR 15.209(h))	OCT 1997
I-147C.	52.215-21	REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA--MODIFICATIONS (IAW FAR 15.408(l))	OCT 1997

For the purposes of this clause the blank(s) are completed as follows:

For the purposes of this clause the blank(s) are completed as follows:

For the purposes of this clause the blank(s) are completed as follows:

For the purposes of this clause the blank(s) are completed as follows:

For the purposes of this clause the blank(s) are completed as follows:

For the purpose of this clause the blank(s) are completed as follows:

In accordance with the FY99 Defense Authorization Act, the price evaluation adjustment described in the above clause does not apply to this solicitation.

I-245.	52.222-1	NOTICE TO THE GOVERNMENT OF LABOR DISPUTES (IAW FAR 22.103-5(a))	FEB 1997
I-247.	52.222-3	CONVICT LABOR (IAW FAR 22.202)	AUG 1996
I-248.	52.222-4	CONTRACT WORK HOURS AND SAFETY STANDARDS ACT--JUL 1995 OVERTIME COMPENSATION (IAW FAR 22.305)	
I-250.	52.222-6	DAVIS-BACON ACT (IAW FAR 22.407(a)(1))	FEB 1995
I-251.	52.222-7	WITHHOLDING OF FUNDS (IAW FAR 22.407(a)(2))	FEB 1988
I-252.	52.222-8	PAYROLLS AND BASIC RECORDS (IAW FAR 22.407(a)(3))	FEB 1988
I-253.	52.222-9	APPRENTICES AND TRAINEES (IAW FAR 22.407(a)(4))	FEB 1988
I-254.	52.222-10	COMPLIANCE WITH COPELAND ACT REQUIREMENTS (IAW FAR 22.407(a)(5))	FEB 1988
I-255.	52.222-11	SUBCONTRACTS (LABOR STANDARDS) (IAW FAR 22.407(a)(6))	FEB 1988
I-256.	52.222-12	CONTRACT TERMINATION--DEBARMENT (IAW FAR 22.407(a)(7))	FEB 1988
I-257.	52.222-13	COMPLIANCE WITH DAVIS-BACON AND RELATED ACT REGULATIONS (IAW FAR 22.407(a)(8))	FEB 1988
I-258.	52.222-14	DISPUTES CONCERNING LABOR STANDARDS (IAW FAR 22.407(a)(9))	FEB 1988
I-259.	52.222-15	CERTIFICATION OF ELIGIBILITY (IAW FAR 22.407(a)(10))	FEB 1988
I-263E.	52.222-21	PROHIBITION OF SEGREGATED FACILITIES (DEVIATION) (IAW FAR 22.810(a)(1), and DP(DAR) Ltr dated 11 Feb 98 (DAR Tracking #98-00002))	APR 1984
I-264.	52.222-26	EQUAL OPPORTUNITY (DEVIATION) (IAW FAR 22.810(e), and DP(DAR) Ltr dated 11 Feb 98 (DAR Tracking #98-00002))	APR 1984
I-266.	52.222-27	AFFIRMATIVE ACTION COMPLIANCE REQUIREMENTS FOR CONSTRUCTION (DEVIATION) (IAW FAR 22.810(f), and DP(DAR) Ltr dated 11 Feb 98 (DAR Tracking #98-00002))	APR 1984
(Does not apply to performance outside the United States unless the employees were recruited within the United States)			
I-274.	52.222-35	AFFIRMATIVE ACTION FOR DISABLED VETERANS AND VETERANS OF THE VIETNAM ERA (IAW FAR 22.1308(a)(1), and DFARS 22.1308(a)(1))	APR 1998
I-276.	52.222-36	AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES (IAW FAR 22.1408(a))	JUN 1998
I-278.	52.222-37	EMPLOYMENT REPORTS ON DISABLED VETERANS AND VETERANS OF THE VIETNAM ERA (IAW FAR 22.1308(b))	APR 1998
I-292.	52.223-2	CLEAN AIR AND WATER (IAW FAR 23.105(b))	APR 1984

I-294.	52.223-5	POLLUTION PREVENTION AND RIGHT-TO-KNOW INFORMATION (IAW FAR 23.1005)	APR 1998
I-295.	52.223-6	DRUG-FREE WORKPLACE (IAW FAR 23.505(a) and (b))	JAN 1997
I-297C	52.223-11	OZONE-DEPLETING SUBSTANCE (IAW FAR 23.804(a))	JUN 1996
I-297E.	52.223-14	TOXIC CHEMICAL RELEASE REPORTING (IAW FAR 23.907(b))	OCT 1996
I-308.	52.225-5	BUY AMERICAN ACT-CONSTRUCTION MATERIALS (IAW FAR 25.207(a))	JUN 1997

For the purposes of this clause the blank(s) are completed as follows:

(b) (2) **NONE**

(d) For evaluation of requests under paragraph (c) of this clause based on unreasonable cost, the following information and any applicable supporting data based on the survey of suppliers shall be included in the request:

**FOREIGN AND DOMESTIC CONSTRUCTION
MATERIALS PRICE COMPARISON**

CONSTRUCTION MATERIAL DESCRIPTION	UNIT OF MEASURE	QUANTITY	PRICE (DOLLARS)*
Item 1:			
Foreign construction material	_____	_____	_____
Domestic construction material	_____	_____	_____
Item 2:			
Foreign construction material	_____	_____	_____
Domestic construction material	_____	_____	_____

List name, address, telephone number, and contact for suppliers surveyed. Attach copy of response; if oral, attach summary.

Include other applicable supporting information.

* Include all delivery costs to the construction site and any applicable duty (whether or not a duty-free entry certificate is issued).

I-312.	52.225-11	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES (IAW FAR 25.702)	AUG 1998
I-315.	52.227-1	AUTHORIZATION AND CONSENT (IAW FAR 27.201-2(a))	JUL 1995
I-317.	52.227-2	NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENTS (IAW FAR 27.202-2)	AUG 1996
I-321.	52.227-4	PATENT INDEMNITY--CONSTRUCTION CONTRACTS (IAW FAR 27.203-5)	APR 1984
I-333.	52.228-1	BID GUARANTEE (IAW FAR 28.101-2(a))	SEP 1996

For the purposes of this clause the blanks are completed as follows:

(c) 20 percent or \$3,000,000.00

I-334.	52.228-2	ADDITIONAL BOND SECURITY (IAW FAR 28.106-4)	OCT 1997
I-337.	52.228-5	INSURANCE--WORK ON A GOVERNMENT INSTALLATION (IAW FAR 28.310)	JAN 1997
I-345.	52.228-11	PLEDGES OF ASSETS (IAW FAR 28.203-6)	FEB 1992
I-346.	52.228-12	PROSPECTIVE SUBCONTRACTOR REQUESTS FOR BONDS (IAW FAR 28.106-4(b))	OCT 1995
I-348.	52.228-14	IRREVOCABLE LETTER OF CREDIT (IAW FAR 28.204-4)	OCT 1997
I-348H.	52.228-15	PERFORMANCE AND PAYMENT BONDS--CONSTRUCTION (IAW FAR 28.102-3(a))	SEP 1996
I-352.	52.229-3	FEDERAL, STATE, AND LOCAL TAXES (IAW FAR 29.401-3)	JAN 1991
I-354.	52.229-5	TAXES--CONTRACTS PERFORMED IN U.S. POSSESSIONS OR PUERTO RICO (IAW FAR 29.401-5)	APR 1984
I-387.	52.232-5	PAYMENTS UNDER FIXED-PRICE CONSTRUCTION CONTRACTS (IAW FAR 32.111(a)(5))	MAY 1997
I-403.	52.232-17	INTEREST (IAW FAR 32.617(a), and 32.617(b))	JUN 1996
I-409.	52.232-23	ASSIGNMENT OF CLAIMS (IAW FAR 32.806(a)(1))	JAN 1986
I-415.	52.232-27	PROMPT PAYMENT FOR CONSTRUCTION CONTRACTS (IAW FAR 32.908(b))	JUN 1997

For the purposes of this clause the blank(s) are completed as follows:

(a)(1)(i)(A) 14

(a)(4)(i) 7

(b)(1) 30

I-417.	52.233-1	DISPUTES (IAW FAR 33.215)	DEC 1998
I-419.	52.233-3	PROTEST AFTER AWARD (IAW FAR 33.106(b))	AUG 1996
I-445.	52.236-2	DIFFERING SITE CONDITIONS (IAW FAR 36.502)	APR 1984
I-446.	52.236-3	SITE INVESTIGATION AND CONDITIONS AFFECTING THE WORK (IAW FAR 36.503)	APR 1984
I-448.	52.236-5	MATERIAL AND WORKMANSHIP (IAW FAR 36.505)	APR 1984
I-449.	52.236-6	SUPERINTENDENCE BY THE CONTRACTOR (IAW FAR 36.506)	APR 1984
I-450.	52.236-7	PERMITS AND RESPONSIBILITIES (IAW FAR 36.507)	NOV 1991
I-451.	52.236-8	OTHER CONTRACTS (IAW FAR 36.508)	APR 1984
I-452.	52.236-9	PROTECTION OF EXISTING VEGETATION, STRUCTURES, EQUIPMENT, UTILITIES, AND IMPROVEMENTS (IAW FAR 36.509)	APR 1984
I-453.	52.236-10	OPERATIONS AND STORAGE AREAS (IAW FAR 36.510)	APR 1984

I-454.	52.236-11	USE AND POSSESSION PRIOR TO COMPLETION (IAW FAR 36.511)	APR 1984
I-455.	52.236-12	CLEANING UP (IAW FAR 36.512)	APR 1984
I-456.	52.236-13	ACCIDENT PREVENTION (IAW FAR 36.513(a), and 36.513(b))	NOV 1991
I-458.	52.236-14	AVAILABILITY AND USE OF UTILITY SERVICES (IAW FAR 36.514)	APR 1984

(a) Water
(b) Electricity

I-459.	52.236-15	SCHEDULES FOR CONSTRUCTION CONTRACTS (IAW FAR 36.515)	APR 1984
I-462	52.236-17	LAYOUT OF WORK (IAW FAR 36.517)	APR 1984
I-466.	52.236-21	SPECIFICATIONS AND DRAWINGS FOR CONSTRUCTION (IAW FAR 36.521)	FEB 1997
I-467	52.236-21	ALTERNATE II (IAW FAR 36.521)	APR 1984

For the purpose of this clause the blank(s) are completed as follows:

Upon completing the work under this Contract, the Contractor Shall furnish One (1) set of prints of all shop drawings as finally approved.

I-473	52.236-26	PRECONSTRUCTION CONFERENCE (IAW FAR 36.522)	FEB 1995
I-541.	52.242-13	BANKRUPTCY (IAW FAR 42.903)	JUL 1995
I-559.	52.243-4	CHANGES (IAW FAR 43.205(d))	AUG 1987
I-624.	52.246-21	WARRANTY OF CONSTRUCTION (IAW FAR 46.710(e)(1))	MAR 1994
I-676.	52.248-3	VALUE ENGINEERING--CONSTRUCTION (IAW FAR 48.202)	MAR 1989
I-684.	52.249-2	TERMINATION FOR CONVENIENCE OF THE GOVERNMENT (FIXED-PRICE) (IAW FAR 49.502(b)(1)(i))	SEP 1996
I-685.	52.249-2	ALTERNATE I (IAW FAR 49.502(b)(1)(i))	SEP 1996
I-702.	52.249-10	DEFAULT (FIXED-PRICE CONSTRUCTION) (IAW FAR 49.504(c)(1))	APR 1984
I-733.	52.252-6	AUTHORIZED DEVIATIONS IN CLAUSES (IAW FAR 52.107(f))	APR 1984

For the purposes of this clause blank(s) is/are completed as follows:

(b) Federal Acquisition Regulation Supplement (48 CFR Chapter 2)

I-750.	52.253-1	COMPUTER GENERATED FORMS (IAW FAR 53.111)	JAN 1991
--------	-----------------	-----------------------------------------------------	----------

DEPARTMENT OF DEFENSE FEDERAL ACQUISITION REGULATION SUPPLEMENT CLAUSES

IA-22.	252.203-7001	SPECIAL PROHIBITION ON EMPLOYMENT (IAW DFARS 203.570-5)	JUN 1997
IA-33.	252.204-7003	CONTROL OF GOVERNMENT PERSONNEL WORK PRODUCT (IAW DFARS 204.404-70(b))	APR 1992

	252.204-7004	REQUIRED CENTRAL CONTRACTOR REGISTRATION (IAW DFARS 204.7304)	MAR 1998
IA-90.	252.209-7000	ACQUISITION FROM SUBCONTRACTORS SUBJECT TO ON-SITE INSPECTION UNDER THE INTERMEDIATE-RANGE NUCLEAR FORCES (INF) TREATY (IAW DFARS 209.103-70)	NOV 1995
	252.209-7004	SUBCONTRACTING WITH FIRMS THAT ARE OWNED OR CONTROLLED BY THE GOVERNMENT OF A TERRORIST COUNTRY (IBR IAW 209.409)	MAR 1998
IA-152.	252.215-7000	PRICING ADJUSTMENTS (IAW DFARS 215.408(1))	DEC 1991
IA-280.	252.223-7004	DRUG-FREE WORK FORCE (IAW DFARS 223.570-4(a))	SEP 1988
IA-282.	252.223-7006	PROHIBITION ON STORAGE AND DISPOSAL OF TOXIC AND HAZARDOUS MATERIALS (IAW DFARS 223.7103(a))	APR 1993
	252.225-7005	IDENTIFICATION OF EXPENDITURES IN THE UNITED STATES (IAW DFARS 225.305-70)	DEC 1991
IA-293.	252.225-7012	PREFERENCE FOR CERTAIN DOMESTIC COMMODITIES (IAW DFARS 225.7002-3(a))	SEP 1997
IA-312H.	252.225-7031	SECONDARY ARAB BOYCOTT OF ISRAEL (IAW DFARS 225.770-5)	JUN 1992
IA-350.	252.227-7033	RIGHTS IN SHOP DRAWINGS (IAW DFARS 227.7107-1(c))	APR 1966
IA-426.	252.232-7009	PAYMENT BY ELECTRONIC FUNDS TRANSFER (CCR) (IAW DFARS 232.1103, and D.L. 98-009 dated (20 May 98 (DFARS Case 98-D012))	JUN 1998
IA-462.	252.236-7000	MODIFICATION PROPOSALS - PRICE BREAKDOWN (IAW DFARS 236.570(a)(1))	DEC 1991
IA-632.	252.242-7000	POSTAWARD CONFERENCE (IAW DFARS 242.570)	DEC 1991
IA-648.	252.243-7001	PRICING OF CONTRACT MODIFICATIONS (IAW DFARS 243.205-71)	DEC 1991
IA-649.	252.243-7002	REQUESTS FOR EQUITABLE ADJUSTMENT (IAW DFARS 243.205-72)	MAR 1998

(b) I certify that the request is made in good faith, and that the supporting data are accurate and complete to the best of my knowledge and belief.

(Official's Name)

(Title)

IA-745.	252.247-7023	TRANSPORTATION OF SUPPLIES BY SEA (IAW DFARS 247.573(b))	NOV 1995
---------	---------------------	--------------------------------------------------------------------	----------

(a) Definitions.

As used in this clause--

- (1) "Components" means articles, materials, and supplies incorporated directly into end products at any level of manufacture, fabrication, or assembly by the Contractor or any subcontractor.
- (2) "Department of Defense" (DoD) means the Army, Navy, Air Force, Marine Corps, and defense agencies.
- (3) "Foreign flag vessel" means any vessel that is not a U.S.-flag vessel.

- (4) "Ocean transportation" means any transportation aboard a ship, vessel, boat, barge, or ferry through international Waters.
- (5) "Subcontractor" means a supplier, materialman, distributor, or vendor at any level below the prime contractor whose contractual obligation to perform results from, or is conditioned upon, award of the prime contract and who is performing any part of the work or other requirement of the prime contract. However, effective May 1, 1996, the term does not include a supplier, materialman, distributor, or vendor of commercial items or commercial components.
- (6) "Supplies" means all property, except land and interests in land, that is clearly identifiable for eventual use by or owned by the DoD at the time of transportation by sea.

(i) An item is clearly identifiable for eventual use by the DoD if, for example, the contract documentation contains a reference to a DoD contract number or a military destination.

(ii) "Supplies" includes (but is not limited to) public works; buildings and facilities; ships; floating equipment and vessels of every character, type, and description, with parts, subassemblies, accessories, and equipment; machine tools; material; equipment; stores of all kinds; end items; construction materials; and components of the foregoing.

(7) "U.S.-flag vessel" means a vessel of the United States or belonging to the United States, including any vessel registered or having national status under the laws of the United States.

(b) The Contractor shall employ U.S.-flag vessels in the transportation by sea of any supplies to be furnished in the performance of this contract. The Contractor and its subcontractors may request that the Contracting Officer authorize shipment in foreign-flag vessels, or designate available U.S.-flag vessels, if the Contractor or a subcontractor believes that-

- (1) U.S.-flag vessels are not available for timely shipment;
- (2) The freight charges are inordinately excessive or unreasonable; or
- (3) Freight charges are higher than charges to private persons for transportation of like goods.

(c) The Contractor must submit any request for use of other than U.S.-flag vessels in writing to the Contracting Officer at least 45 days prior to the sailing date necessary to meet its delivery schedules. The Contracting Officer will process requests submitted after such date(s) as expeditiously as possible, but the Contracting Officer's failure to grant approvals to meet the shipper's sailing date will not of itself constitute a compensable delay under this or any other clause of this contract. Requests shall contain at a minimum-

-
- (1) Type, weight, and cube of cargo;
 - (2) Required shipping date;
 - (3) Special handling and discharge requirements;
 - (4) Loading and discharge points;
 - (5) Name of shipper and consignee;
 - (6) Prime contract number; and
 - (7) A documented description of efforts made to secure U.S.-flag vessels, including points of contact (with names and telephone numbers) with at least two U.S.-flag carriers contacted. Copies of telephone notes, telegraphic and facsimile message or letters will be sufficient for this purpose.

(d) The Contractor shall, within 30 days after each shipment covered by this clause, provide the Contracting Officer and the Division of National Cargo, Office of Market Development, Maritime Administration, U.S. Department of Transportation, Washington, DC 20590, one copy of the rated on board vessel operating carrier's ocean bill of lading, which shall contain the following information--

- (1) Prime contract number;
- (2) Name of vessel;
- (3) Vessel flag of registry;
- (4) Date of loading;
- (5) Port of loading;
- (6) Port of final discharge;
- (7) Description of commodity;
- (8) Gross weight in pounds and cubic feet if available;
- (9) Total ocean freight in U.S. dollars; and
- (10) Name of the steamship company.

(e) The Contractor agrees to provide with its final invoice under this contract a representation that to the best of its knowledge and belief--

- (1) No ocean transportation was used in the performance of this contract;
- (2) Ocean transportation was used and only U.S.-flag vessels were used for all ocean shipments under the contract;
- (3) Ocean transportation was used, and the Contractor had the written consent of the Contracting Officer for all non-U.S.-flag ocean transportation; or
- (4) Ocean transportation was used and some or all of the shipments were made on non-U.S.-flag vessels without the written consent of the Contracting Officer. The Contractor shall describe these shipments in the following format:

	ITEM DESCRIPTION	CONTRACT LINE ITEMS	QUANTITY
TOTAL			

(f) If the final invoice does not include the required representation, the Government will reject and return it to the Contractor as an improper invoice for the purposes of the Prompt Payment clause of this contract. In the event there has been unauthorized use of non-U.S.-flag vessels in the performance of this contract, the Contracting Officer is entitled to equitably adjust the contract, based on the unauthorized use.

(g) The Contractor shall include this clause, including this paragraph (g) in all subcontracts under this contract, which exceed the simplified acquisition threshold in Part 13 of the Federal Acquisition Regulation.

CLAUSE IA-746 WILL BE INCORPORATED IF PROVISION K-280 IS RESPONDED IN THE NEGATIVE BY THE CONTRACTOR

IB-320.	5352.223-9000	ELIMINATION OF USE OF CLASS I OZONE DEPLETING SUBSTANCES (ODS) (IAW AFFARS 5323.890-7)	MAY 1996
---------	---------------	----------------------------------------------------------------------------------------------	----------

For the purposes of this clause the blank(s) is/are completed as follows:

<u>Substance</u>	<u>Application/Use</u>	<u>Quantity (lbs)</u>
------------------	------------------------	-----------------------

NONE

IB-343.	5352.242-9000	CONTRACTOR ACCESS TO AIR FORCE INSTALLATIONS (IAW AFFARS 5342.490-1)	MAY 1996
---------	---------------	----------------------------------------------------------------------------	----------

For the purposes of this clause the blank(s) is/are completed as follows:

(b) NO ADDITIONAL INFORMATION REQUIRED

**AIR FORCE SPACE COMMAND FEDERAL ACQUISITION REGULATION
SUPPLEMENT CLAUSES**

IB-4.	5352.228-9502	INSURANCE REQUIREMENTS(AFSPCFARS) (IAW AFSPCFARS 5328.306(b))	MAR 1993
-------	---------------	------------------------------------------------------------------	----------

PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

SECTION J

LIST OF ATTACHMENTS

(All listed attachments are at the end of this document)

Attachment	Document	No. of pages
1	U.S. Department of Labor Wage Decision # WY980004 Building dated 07/10/98	4
2	AF Form 66, Schedule of Material Submittals dated 01/25/99	1
3	Specifications, Project GHLN 98-1608 dates 1/22/99	9

(ii) has () has not ()

NO. OF EMPLOYEES	AVG. ANNUAL GROSS REVENUES
<input type="checkbox"/> 50 or fewer	<input type="checkbox"/> \$1 million or less
<input type="checkbox"/> 51-100	<input type="checkbox"/> \$1,000,001 - \$2 million
<input type="checkbox"/> 101-250	<input type="checkbox"/> \$2,000,001 - \$3.5 million
<input type="checkbox"/> 251-500	<input type="checkbox"/> \$3,500,001 - \$5 million
<input type="checkbox"/> 501-750	<input type="checkbox"/> \$5,000,001 - \$10 million
<input type="checkbox"/> 751-1,000	<input type="checkbox"/> \$10,000,001 - \$17 million
<input type="checkbox"/> Over 1,000	<input type="checkbox"/> \$Over \$17 million
(End of Provision)	

K-18F. **52.219-22** **SMALL DISADVANTAGED BUSINESS STATUS** OCT 1998
(IAW FAR 19.306(b))

- (b) (1) () (i) It has received certification
 () (ii) It has submitted a completed application
(2) () For Joint Ventures. _____.

K-92. **52.222-22** **PREVIOUS CONTRACTS AND COMPLIANCE REPORTS** APR 1984
(DEVIATION)
(IAW FAR 22.810(a)(2), and DP(DAR) Ltr dated
11 Feb 98 (DAR Tracking #98-O0002))

(a) () has, () has not

(b) () has, () has not

K-95. **52.223-1** **CLEAN AIR AND WATER CERTIFICATION** APR 1984
(IAW FAR 23.105(a))

(a) is (), is not (

K-99. **52.223-13** **CERTIFICATION OF TOXIC CHEMICAL RELEASE** OCT 1996
REPORTING
(IAW FAR 23.907(a))

- (b) (2) (Check each block that is applicable.)
 () (i) The facility does not manufacture, process or otherwise use any toxic chemicals listed under section 313(c) of EPCRA, 42 U.S.C. 11023(c).
 () (ii) The facility does not have 10 or more full-time employees as specified in section 313.(b)(1)(A) of EPCRA 42 U.S.C. 11023(b)(1)(A).
 () (iii) The facility does not meet the reporting thresholds of toxic chemicals established under section 313(f) of EPCRA, 42 U.S.C. 11023(f) (including the alternate thresholds at 40 CFR 372.27, provided an appropriate certification form has been filed with EPA).
 () (iv) The facility does not fall within Standard Industrial Classification Code (SIC) designations 20 through 39 as set forth in FAR section 19.102.
 () (v) The facility is not located within any State of the United States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the United States Virgin Islands, The Norther Mariana Islands, or any other territory or possession over which the United States has jurisdiction.

52.236-28 **PREPARATION OF PROPOSALS-CONSTRUCTION** OCT 1997
(IAW FAR 36.520)

**DEPARTMENT OF DEFENSE FEDERAL ACQUISITION REGULATION
SUPPLEMENT CLAUSES**

K-210. **252.209-7001** **DISCLOSURE OF OWNERSHIP OR CONTROL BY THE** MAR 1998
GOVERNMENT OF A TERRORIST COUNTRY
(IAW DFARS 209.104-70(a))

K-213. **252.209-7003** **COMPLIANCE WITH VETERANS' EMPLOYMENT** MAR 1998
REPORTING REQUIREMENTS
(IAW FAR 209.104-70(c), and D.L. 98-004 dated
11 Mar 98 (DFARS Case 97-D314))

K-280. **252.247-7022** **REPRESENTATION OF EXTENT OF TRANSPORTATION** AUG 1992
BY SEA
(IAW DFARS 247.573(a))

(a) The Offeror shall indicate by checking the appropriate blank in paragraph (b) of this provision whether transportation of supplies by sea is anticipated under the resultant contract. The term "supplies" is defined in the Transportation of Supplies by Sea clause of this solicitation.

(b) *Representation.* The Offeror represents that it-

_____ Does anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

_____ Does not anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

(c) Any contract resulting from this solicitation will include the Transportation of Supplies by Sea clause. If the Offeror represents that it will not use ocean transportation, the resulting contract will also include the Defense FAR Supplement clause at 252.247-7024, Notification of Transportation of Supplies by Sea.

PART IV - REPRESENTATIONS AND INSTRUCTIONS
SECTION L
INSTRUCTIONS, CONDITIONS AND NOTICES TO BIDDERS, OFFERORS OR QUOTERS

NO	PARA	PROVISION TITLE	DATE
	52.252-1	SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (IAW FAR 52.107(a))	FEB 1998

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es):

<http://farsite.hil.af.mil>
OR FOR FAR ONLY PROVISIONS/CLAUSES
<http://www.arnet.gov/far/>
OR FOR DFARS ONLY PROVISIONS/CLAUSES
<http://www.acq.osd.mil/dp/dars/dfars/dfars.html>

L-1H.	52.204-6	DATA UNIVERSAL NUMBERING SYSTEM (DUNS) NUMBER APR 1998 (IAW FAR 4.603(a))
-------	-----------------	-------------------------------------------------------------------------------------

L-8.	52.211-14	NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE USE SEP 1990 (IAW FAR 11.604(a))
------	------------------	-------------------------------------------------------------------------------------------

For the purposes of this provision, the blanks are completed on the cover sheet.

L-30J.	52.215-1	INSTRUCTIONS TO OFFERORS--COMPETITIVE ACQUISITION OCT 1997 (IAW FAR 15.209(a))
--------	-----------------	------------------------------------------------------------------------------------------

L-65C.	52.216-1	TYPE OF CONTRACT APR 1984 (IAW FAR 16.105)
--------	-----------------	------------------------------------------------------

For the purposes of this provision the blank(s) are completed as follows:

Indefinite-Delivery Requirements Contract

L-90.	52.222-23	NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY FOR CONSTRUCTION (DEVIATION) APR 1984 (IAW FAR 22.810(b))
-------	------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------

(b)	Goals for minority participation for each trade	Goals for female participation for each trade
-----	----------------------------------------------------	--------------------------------------------------

10.9%

6.9%

(e) "covered area" is Laramie County

L-100E.	52.225-12	NOTICE OF BUY AMERICAN ACT REQUIREMENT--CONSTRUCTION MATERIALS MAY 1997 (IAW FAR 25.207(b)(1))
---------	------------------	----------------------------------------------------------------------------------------------------------

L-120.	52.233-2	SERVICE OF PROTEST AUG 1996 (IAW FAR 33.106(a))
--------	-----------------	-----------------------------------------------------------

For the purposes of this clause the blank(s) is/are completed as follows:

(a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from the Contracting Officer, 90 CONS/LGCI, 7505 Marne Loop, F.E. Warren AFB, WY 82005-2860.

L-124. **52.236-27** **SITE VISIT (CONSTRUCTION)** FEB 1995

For the purpose of this clause the blank(s) are completed as follows:

(b)
NAME: 90th Contracting Squadron
ADDRESS: 7505 Marne Loop Bldg 208
FE Warren AFB, WY 82005
Telephone: 307-773-3917

L-124	52.236-27	ALTERNATE I (IAW FAR 36.523)	FEB 1995
-------	------------------	----------------------------------------	----------

For the purpose of this clause the blank(s) are completed as follows:

(b) March 4, 1999 at 1:00 P.M.

(c) 90th Contracting, 7505 Marne Loop Bldg 208, FE Warren AFB, WY 82005
(End of Provision)

L-141. **52.252-5** **AUTHORIZED DEVIATIONS IN PROVISIONS** APR 1984
(IAW FAR 52.107(e))

For this purposes of this clause the blank(s) is/are completed as follows:

(b) Defense Federal Acquisition Regulation Supplement (48 CFR Chapter 2)

**DEPARTMENT OF DEFENSE
FEDERAL ACQUISITION REGULATION SUPPLEMENT**

L-204.	252.204-7001	COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE REPORTING (IAW DFARS 204.602-70)	DEC 1991
--------	---------------------	---------------------------------------------------------------------------------------------	----------

L-266	252.236.7008	CONTRACT PRICES-BIDDING SCHEDULES (IAW DFAR 236.570(b)(6))	DEC 1991
-------	---------------------	----------------------------------------------------------------------	----------

**AIR FORCE
FEDERAL ACQUISITION REGULATION SUPPLEMENT**

L-312.	5352.215-9001	NOTICE OF PRE-BID/PRE-PROPOSAL CONFERENCE (IAW AFFARS 5314.207-90 or 5315.409-90)	MAY 1996
--------	----------------------	---------------------------------------------------------------------------------------------	----------

(a) A pre-bid/pre-proposal conference will be conducted at **1:00 p.m.** on **March 4, 1999** at 90th CONS Conference Room, 7505 Marne Loop, F.E. Warren AFB, WY 82005-2860 for the purpose of answering questions regarding this solicitation.

(b) Submit the names, of all attendees (not to exceed **2 persons**) to **A1C Stephen Crooks** **NO LATER THAN 3 P.M. Feb 26, 1999**. This information must be provided in advance in order to ensure adequate seating for the conference attendees. This will be the **only** pre-proposal meeting.

(c) Bidders/Offerors are requested to submit questions to the point of contact noted above not later than **March 10, 1999**. Information provided at this conference shall not qualify the terms and conditions of the solicitation and specifications. Terms of the solicitation

and specifications remain unchanged unless the solicitation is amended in writing. If an amendment is issued, normal procedures relating to the acknowledgment and receipt of solicitation amendments shall apply.

(d) A record of the conference shall be made and furnished to all prospective bidders/offerors. The record should include minutes of the meeting, including questions and answers. *This record will be posted on the Internet with the solicitation documents without notice.*

**AIR FORCE SPACE COMMAND
FEDERAL ACQUISITION REGULATION SUPPLEMENT**

5352.236-9500

**MAGNITUDE OF PROJECT (AFSPC)
IAW AFSPCFARS 5336.204)**

JUL 1996

1. The price range of this project is: **e**
 - a. Less than \$25,000
 - b. Between \$25,000 and \$100,000
 - c. Between \$100,000 and \$250,000
 - d. Between \$250,000 and \$500,000
 - e. Between \$500,000 and \$1,000,000
 - f. Between \$1,000,000 and \$5,000,000
 - g. Between \$5,000,000 and \$10,000,000
 - h. More than \$10,000,000

This range does not necessarily reflect the proximity of the actual estimated cost.

2. The physical characteristics of this project are:

Provide all labor, tools, materials and equipment for maintenance and repair of Tuckpoint Masonry for base facilities at F.E. Warren Air Force Base, Wyoming

L-500

TYPE OF ACQUISITION

THIS ACQUISITION IS UNRESTRICTED

L-501

**AMENDMENT OF SOLICITATION PRIOR TO
PROPOSAL CLOSING TIME**

The Government reserves the right to revise or amend the specification, drawings or the solicitation prior to the proposal closing time. Such revisions or amendments, will be communicated by amendments to this Request For Proposal. If such amendments require material changes in quantities or prices, the proposal closing date may be postponed by enough days to enable offerors to revise their proposals. In such cases, the amendment will include an announcement of the new closing date and time. *Amendments will be posted on the Internet with the solicitation documents without notice.*

L-502

POSTPONEMENT OF PROPOSAL CLOSING DATE

- a. An amendment postponing proposal closing date may be issued even after the time scheduled for proposal closing, under the following conditions:

(1) When the Contracting Officer has reason to believe that the offers of an important segment of offerors have been delayed in the mail for causes beyond their control and without their fault or negligence (such as, but not limited to, flood, fire, accident, weather conditions, or strikes); or

(2) When emergency or unanticipated events interrupt normal governmental processes so that conducting closing as schedule is impracticable.

b. At the time a determination is made to postpone a proposal closing under subparagraph a(1) above, an announcement of the determination shall be publicly posted and, if practicable before issuance of formal amendment of the RFP, otherwise communicated to prospective offerors. A copy of such announcement will also be posted on the Internet, with the solicitation documents, with no notice.

c. In the case of subparagraph a(2) above, the Contracting Officer may proceed with the proposal closing date as soon as practicable after the time scheduled, without prior amendment to the RFP or Notice to Offerors whenever the delay incident to such amendment or notice is not the best interest of the Government. In such case, the time of actual proposal closing shall be deemed to be the time set for proposal closing for the purpose of determining late proposals.

L-503 **POST-AWARD/PERFORMANCE CONFERENCE**
(X) Applicable when checked.

A preperformance conference shall be scheduled by and held at a place to be designated by the Contracting Officer issuing this RFP prior to the commencement of any work under the contract which will be awarded as a result of this solicitation and offer. The contractor or his duly authorized representative shall be required to attend the preperformance conference.

L-505. **PROPOSAL PREPARATION INSTRUCTIONS**

1. The following is established as the specific information and format required for any proposal submitted. Incomplete proposals are not acceptable. Each offeror may submit only one complete proposal package as discussed in L-505-1b(4).

a. To aid in the evaluation process, proposals shall be complete, comprehensive and clearly presented. Proposals shall be neat, indexed (cross indexed as appropriate) and assembled in an orderly manner. Elaborate art work, expensive paper/binding, and expensive visual and other presentation aids are neither necessary nor desired. All pages of each part shall be appropriately numbered and identified with the Request for Proposal (RFP) number.

b. Proposals shall be submitted in the following form and format:

- (1) Dimensions of the paper 8 1/2 by 11 inches excluding fold-out charts and drawings which are not to exceed 36 inches in length.
- (2) Typing format:

- (a) Both sides of sheet permitted, head to head, this is considered as two pages.
- (b) Single space, 1 1/2 space or double space.
- (c) Photo reduction of type size below 10-pitch type size or a font size below 10 are not permitted. Size 8 font is permitted within graphics only.

(3) Type of binding: must be easily separated to facilitate review.

(4) A complete proposal consists of the following:

- (a) Part I - Past Performance, unlimited pages, Original and 1 copy required.

DUE NO LATER THAN 3:00 P.M. March 16, 1999

- (b) Part II - Executed Request for Proposal Documents unlimited pages, original required.

DUE NO LATER THAN 3:00 P.M. March 22, 1999

2. Part I - PAST PERFORMANCE:

a. Past performance shall provide adequate information describing the offeror's previous experience in Maintaining and Repairing Tuckpoint Masonry as defined in the Statement of Work or work of a similar complexity and magnitude, both commercial and government within the **past five years**. The offeror shall also list **all contracts** (maximum of **last ten consecutive** contracts) performed the **past three years**. In addition, past performance information on contracts not listed by the offeror may be solicited. If an offeror does not have any past performance information to submit as the entity under which the proposal is being submitted, then the offeror should submit past performance data identified above under which the offeror's key personnel have worked. If the offeror claims there is no past performance, then that status must be identified to the Contracting Officer no later than the date and time due for past performance proposals from all offerors. **Lack of any past performance will not automatically disqualify an offeror, but is a factor that is considered in the Past Performance Trade-Off (PPT) technique described in Section M.**

(1) Provide a summary of the previous contracts described above. **Include information on subcontractors** whose efforts on this acquisition is projected to be more than 25% of the effort. The summary must include:

- (a) Name of project (contract number, if applicable)
- (b) Name and address of customer or government agency
- (c) Name and telephone number of customer contact or contracting officer
- (d) Dollar value and period of performance
- (e) Description of work performed

(2) Provide statements, letters, reports, or evaluations from prior customers indicating the level and quality of past performance on the above contracts.

(3) Mail attached Past Performance Questionnaire (Appendix 1 to this Section) to all past performance references listed above and instruct them to return completed questionnaire directly to:

90th Contracting Squadron/LGCI
ATTN: A1C STEPHEN CROOKS
7505 Marne Loop
F.E. Warren AFB, WY 82005-2860

All questionnaires and references shall be forwarded to the 90th Contracting Squadron no later than **3:00 P.M. March 16, 1999.**

3. Part II, EXECUTED REQUEST FOR PROPOSAL DOCUMENTS. This part shall contain the following, signed original, contract documents:

- a. Solicitation/Contract Award Document, SF 1442. Contractor is to complete Blocks 30A through 30C.
- b. Bid Schedule, Section B.
- c. Representations, Certifications, and Other Statements of Offerors, Section K.
- d. Section G, Section I and Section L fill-in provisions and clauses
- e. Any amendments issued thereto.
- f. Bid Bond as indicated on page 1, block 13, and FAR 52.228-1.

L-506. PROPOSAL SUBMISSION

a. Submit your proposal in accordance with paragraph L-505 to arrive **NO LATER THAN March 22, 1999, 3:00PM., local time.**

b. Submit your past performance in accordance with paragraph L-505 to arrive **NO LATER THAN March 16, 1999 3:00PM, local time.**

c. All proposals delivered in response to this solicitation shall reflect the following information on the address label:

- (1) Solicitation Number F48608-99-R0010.
- (2) The legend, "To be delivered unopened to the Contracting Officer", and
- (3) The volume and copy numbers contained in each box/envelope.

d. Submit your proposal to the following address:

90th Contracting Squadron/LGCI
ATTN: A1C STEPHEN CROOKS
7505 Marne Loop
F.E. Warren AFB, WY 82005-2860

L-508

DEBRIEFING OF UNSUCCESSFUL OFFERORS

- a. Successful or unsuccessful offerors may request debriefings by providing a written request to the Contracting Officer in accordance with FAR 15.506(a)(1). Debriefings shall be conducted when an offeror is deleted from the competitive range or after completion of negotiations.
- b. Debriefings are conducted with the goal of identifying to unsuccessful offerors where changes can be made to improve future participation. To that end, debriefings requested will be conducted with only one offeror at a time. **Offerors requesting a debriefing, shall provide their questions in writing in advance of the debriefing.** The debriefing shall be confined to a discussion of the offeror's proposal, its strong and weak points in relation to the requirements of the solicitation.

L-509

DISPOSITION OF UNSUCCESSFUL PROPOSALS

In compliance with FAR Subpart 4.8, the Government will retain one hard copy of all unsuccessful proposals. Extra copies of such unsuccessful proposals will be destroyed by the Government.

CENTRALIZED CONTRACTOR REGISTRATION SYSTEM (CCRS)

All contractors doing business with the Department of Defense (DOD) must register with the CCRS. The CCRS applies to all contractors; those doing business electronically and those who are not. **Contractors not registered in the CCRS will not be eligible for contract award.** Register with CCRS by contacting the DOD Electronic Commerce Office at one of the following:

Address:
Electronic Commerce Office
ATTN. Electronic Commerce Office
5111 Leesburg Pike, Suite 9104
Falls Church, VA 22041

Telephone: 1-800-EDI-3414
FAX 703-681-1225
e-mail dodedi@acq.osd.mil
Web site: <http://ccr.edi.disa.mil>

APPENDIX 1 - SECTION L
PAST PERFORMANCE

MEMORANDUM FOR: PROJECT OWNERS

FROM: 90th Contracting Squadron/LGCI
7505 Marne Loop
F.E. Warren AFB, WY 82005

SUBJECT: Request for Performance Information

You have been identified as a point of contact for a past and/or present performance evaluation of the firm listed on the attached questionnaire. We are currently evaluating this company for an award of a Maintain and Repair Tuckpoint Masonry for Base Facilities contract at F.E. Warren AFB, WY. Request you complete the attached questionnaire providing detailed information on the performance history of the firm identified.

It is essential that this office receive your official response **not later than March 16, 1999**. You may fax your response to (307)773-4636 or DSN: 481-4636 (Attn: A1C Stephen Crooks), e-mail to crooks.stephen@warren.af.mil, or mail it to the address shown above.

We appreciate your assistance in this matter. Please direct any questions you might have to A1C Stephen Crooks at (307)773-3917, DSN: 481-3917, FAX (307)773-4636

QUESTIONNAIRE
FOR

(Name of Offeror)

I. CONTRACT INFORMATION: Complete the following information on the contractor that provided or is currently providing services for your company.

a. Contractor (Company/Name):

b. Contractor Address/Phone:

c. Contract:

1. Number: _____

2. Period of Performance: _____

3. Services Provided (Explain, in some detail, the type of services provided by the contractor. Identify any performance history the contractor has providing operation and management of a facility or function within your company. _____

4. Total Contract Amount: _____

II. RESPONDENT IDENTIFICATION: Complete the following information on your company. You may be contacted for additional information pertaining to the past or present performance of the contractor identified in section I above. (The following information will assist in the analysis of the data. Information will be kept confidential)

a. Name: _____

b. Position and Title: _____

c. Phone Number: _____

d. Address: _____

e. Relationship and Time involved with Program/Contract: _____

f. Date you completed this questionnaire: _____

PERFORMANCE INFORMATION: When responding to the following statements, choose the number on the scale of 1 to 5, which most accurately describes the Contractor's performance. If the statement is not applicable, Circle N/A. The numbers coorespond with the following:

1	2	3	4	5
Unsatisfactory	Marginal	Satisfactory	Highly Satisfactory	Outstanding
(Strongly Disagree)	(Disagree)	(Neither Agree or Disagree)	(Agree)	(Strongly Agree)

THE CONTRACTOR:

1. Developed realistic progress schedules. Met established project schedules and was able to realign schedules to meet customer needs. 1 2 3 4 5 N/A

COMMENTS/REMARKS: _____

2. Provided experienced managers and supervisors, with the technical and administrative abilities needed to meet contract requirements. Demonstrated ability to replace personnel, if necessary, without project delays. 1 2 3 4 5 N/A

COMMENTS/REMARKS: _____

3. Hired quality subcontractors. Effectively managed subcontractors. 1 2 3 4 5 N/A

COMMENTS/REMARKS: _____

4. Provided effective quality control which resulted in a quality finished product. 1 2 3 4 5 N/A

COMMENTS/REMARKS: _____

5. Provided submittals in a timely manner. Submittals were well researched and clearly identified the proposed item. 1 2 3 4 5 N/A

COMMENTS/REMARKS: _____

6. Identified problems as they occurred. Suggested approaches to problems. 1 2 3 4 5 N/A
Displayed initiative to solve problems. Performed as a "Team" member.

COMMENTS/REMARKS: _____

7. Requested additional or clarification information at appropriate times. 1 2 3 4 5 N/A

COMMENTS/REMARKS: _____

8. Provided timely and accurate payrolls. 1 2 3 4 5 N/A

COMMENTS/REMARKS: _____

9. Responded to emergency situations by promptly assessing the scope, 1 2 3 4 5 N/A
providing accurate proposals, negotiating price and performance schedule and
timely performance in meeting customer needs.

COMMENTS/REMARKS: _____

10. Provided timely resolution of punchlist items, and warranty calls. 1 2 3 4 5 N/A

COMMENTS/REMARKS: _____

11. Provided timely, complete, accurate and reasonable cost proposals that 1 2 3 4 5 N/A
met the requirements of the project or modification.

COMMENTS/REMARKS: _____

12. Provided accurate invoices that accurately reflected actual progress 1 2 3 4 5 N/A
completed.

COMMENTS/REMARKS: _____

13. Circle the letter that best describes the Contractor's Customer Satisfaction:

- a. *Unsatisfactory:* Customer refused to accept end product.
- b. *Marginal:* Customer dissatisfaction with end product/service evidenced by written or verbal conversations.
- c. *Satisfactory:* Customer expressed no displeasure with performance of the Contractor.
- d. *Highly Satisfactory:* Customer expressed verbal or written appreciation of the Contractor's performance.
- e. *Outstanding:* Customer expressed admiration of the contractor's performance and stated he/she would be happy if the Contractor was obtained for future projects.

COMMENTS/REMARKS: _____

14. Circle the letter that best describes your experiences with the Contractor based on the statements below:

- a. *They were an unsatisfactory Contractor.* We would not want to contract with this firm again under any circumstances.
- b. *They were a marginal Contractor.* Numerous problems developed that were a result of their lack of cooperation and failure to perform work, as required.
- c. *They were a satisfactory Contractor who met the minimum requirements of the contracts.* Performance deficiencies improve when identified by the Government. Although rework/ warranty issues were performed, an aggressive inspection program was required to ensure compliance.
- d. *They were a highly satisfactory Contractor whom we would not hesitate to enter into another contract.* Problems encountered were minor and solutions were found with little difficulty.
- e. *They are an outstanding Contracting firm in every respect. Problems were solved in a spirit of teamwork.* Quality work, timely actions, and complete documentation were routinely achieved. We would pay premium prices to contract with them again.

COMMENTS/REMARKS: _____

15. Has the Contractor ever been given a Cure Notice, Show Cause Notice, Letter of Concerns, or had payment withheld for services not rendered?

COMMENTS/REMARKS: _____

PART IV - REPRESENTATIONS AND INSTRUCTIONS
SECTION M
EVALUATION FACTORS FOR AWARD

M-72	52.217-5	EVALUATION OF OPTIONS (IAW FAR 17.208(c))	JUL 1990
------	----------	-----------------------------------------------------	----------

M-1	AWARD WITHOUT DISCUSSIONS
-----	----------------------------------

The Government intends to evaluate proposals and award a contract without discussions with offerors. Therefore, each initial offer should contain the offeror's best terms from a price and past performance. However, the Government reserves the right to conduct discussions if later determined by the contracting officer to be necessary.

BASIS FOR CONTRACT AWARD

(1) Performance Price Trade-Off (PPT). This acquisition will utilize the PPT technique to make a best value award decision. Price and Past Performance risk are both treated as areas and may be traded off, one against the other, as addressed in paragraph (d) below. The application of the PPT technique in contract award and selection and approval process is as follows:

(a) All offerors will be ranked by price.

(b) All offerors will receive a performance risk assessment rating of low, moderate, and high, or not applicable.

(c) If the lowest evaluated price offeror has also received a low performance risk rating, this offeror's proposal represents the best value for this acquisition and award shall be made to this offeror, subject to a positive responsibility determination.

(d) The Government reserves the right to award a contract to other than the lowest evaluated price offeror if that offeror receives other than a low performance risk rating. In these cases, price and past performance risk are both treated as equal areas and may be traded off, one against the other. The Contracting Officer shall make an assessment of the price proposed and the performance risk rating assigned and, based upon the special requirements of the acquisition, trade one off the other to determine the best value for the Government.

(2) Past Performance Risk Assessment:

(a) Performance Risk will be evaluated in accordance with FAR 15.305(a)(2). In assessing past performance risk, the evaluators will employ several approaches including: a) reviewing the experience listed in the proposal, b) seeking additional present and past performance information through the use of simplified questionnaires and c) using data independently obtained from other government and commercial sources.

(b) The purpose will be to identify and review relevant present and past performance, and then make an overall risk assessment of the offeror's ability to perform this effort. The PPT process will result in an overall risk rating of low, moderate, high, or not applicable as defined below. This risk assessment represents the Government evaluation team's judgment of the probability of an offeror successfully accomplishing the proposed effort based on the offeror's demonstrated present and past performance.

(1) **HIGH**. Significant doubt exists, based on the offeror's performance record, that the offeror can perform the proposed effort.

(2) **MODERATE**. Some doubt exists, based on the offeror's performance record, that the offeror can perform the proposed effort.

(3) **LOW**. Little doubt exists, based on the offeror's performance record, that the offeror can perform the proposed effort.

(4) NOT APPLICABLE. No significant performance record is identifiable.

(3) The following documents will be evaluated for responsiveness, completeness and compliance with requirements of the Request for Proposal. Incomplete items may be basis for rejection.

- a. A signed copy of the solicitation contract award document, SF 1442 (Blocks 30A, 30B and 30C).
- b. Completed bid schedule, Section B, ALL CLINS.
- c. Acknowledgment of all amendments.
- d. Completed Representation and Instructions, Section K.
- e. Section G, Section I and Section L, with fill in provisions completed.
- f. Bid Bond as indicated on page 1, block 13, and FAR 52.228-1.Bid Bond

F4860899R0010

Solicitation Number

Tuckpoint Masonry on Base

Facilities

General Decision Number WY980004

General Decision Number WY980004

Superseded General Decision No. WY970004

State: **Wyoming**

Construction Type:
BUILDING

County(ies):

LARAMIE

BUILDING CONSTRUCTION PROJECTS (does not include residential construction consisting of single family homes and apartments up to and including 4 stories).

Modification Number	Publication Date
0	02/13/1998
1	02/20/1998
2	05/22/1998
3	07/10/1998

COUNTY(ies):

LARAMIE

BRWY0001C 01/01/1998

	Rates	Fringes
TILE SETTERS	19.60	1.00

* ELEV0025A 07/01/1998

	Rates	Fringes
ELEVATOR CONSTRUCTORS:		
ELEVATOR MECHANIC	22.205	6.405+a

Footnote a - Employer contributes 8% of basic hourly rate for over 5 years' service and 6% of basic hourly rate for 6 months to 5 years' service as Vacation Pay Credit. Paid Holidays: New Year's Day; Memorial Day; Independence Day; Labor Day; Thanksgiving Day; Friday after Thanksgiving Day; Christmas Day.

SFWY0669A 04/01/1998

F4860899R0010

Solicitation Number

Tuckpoint Masonry on Base

Facilities

	Rates	Fringes
SPRINKLER FITTERS	21.29	6.35

SHEE0207B 01/01/1998		
	Rates	Fringes
SHEET METAL WORKERS:		
Sheet metal job total cost		
\$625,000 or less	17.28	4.60
Sheet metal job total cost		
over \$625,000	19.43	4.67

SUWY1009A 02/15/1990		
	Rates	Fringes
ASBESTOS WORKERS (Asbestos		
Removal Only)	14.17	
BRICKLAYERS	14.02	.57
CARPENTERS (Excuding Acoustical		
Installation, Drywall Hanging		
& Batt Insulation)	11.81	
CEMENT MASONS	13.46	1.02
DRYWALL FINISHERS	13.25	
DRYWALL HANGERS	10.00	3.02
ELECTRICIANS (Includidng Alarm		
Installation)	16.25	2.36
GLAZIERS	10.19	.41
IRONWORKERS;		
Structural	14.11	
Reinforcing	14.25	3.30
LABORERS;		
Unskilled	10.915	
Mason Tenders	9.57	2.85
Landscape Laborers	8.42	

F4860899R0010

Solicitation Number

Tuckpoint Masonry on Base

Facilities

MECHANICAL INSULATORS	11.68	1.78
PAINTERS (Including Paper Hanging, Excluding Drywall Finishing)	11.48	
PLUMBERS;		
HVAC WORK	11.54	3.83
All Other Plumbing Work	12.47	3.73
POWER EQUIPMENT OPERATORS:		
Backhoes	9.00	
Graders	10.90	
Loaders	12.55	
ROOFERS	12.52	
SOFT FLOOR LAYERS	11.81	
TRUCK DRIVERS	9.83	

WELDERS - Receive rate prescribed for craft performing operation
to which welding is incidental.
=====

Unlisted classifications needed for work not included within
the scope of the classifications listed may be added after
award only as provided in the labor standards contract clauses
(29 CFR 5.5(a)(1)(v)).

In the listing above, the "SU" designation means that rates
listed under that identifier do not reflect collectively
bargained wage and fringe benefit rates. Other designations
indicate unions whose rates have been determined to be
prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can
be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a
position on a wage determination matter
- * a conformance (additional classification and rate)

F4860899R0010

Solicitation Number

Tuckpoint Masonry on Base

Facilities

ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

4.) All decisions by the Administrative Review Board are final.

END OF GENERAL DECISION

SCHEDULE OF MATERIAL SUBMITTALS														PROJECT NUMBER GHLN-98-1608		PROJECT TITLE Maintain And Repair Tuckpoint Masonry For Historical Facilities		SOLICITATION/CONTRACT NUMBER			
TO BE COMPLETED BY PROJECT ENGINEER														TO BE COMPLETED BY CONTRACT ADMINSTRATOR							
LINE NUMBER	ITEM OR DESCRIPTION OF ITEM, CONTRACT REFERENCE, TYPE OF SUBMITTAL	CERTIFICATION OF COMPLIANCE	SHOP DRAWINGS	NUMBER OF COPIES REQUIRED								REQUIRED SUBMISSION DATE	DATE RECEIVED IN CONTRACTING	DATE TO CIVIL ENGINEERING	RETURN SUSPENSE DATE	FOLLOW-UP	DATE CONTRACTOR NOTIFIED		CONTRACTOR RESUBMITTAL	FINAL APPROVAL	REMARKS
				SAMPLES	COLOR SELECTION	MANUFACTURE'S RECOMMENDATIONS	MANUFACTURER'S WARRANTY	CATALOG DATA	OPERATING INSTRUCTIONS	TESTS	REPORTS						APPROVED	DISAPPROVED			
1	Replacement Brick			1	4							4									A sample of brick needs to be submitted for each building to be worked on prior to doing brick replacement.
2	Mortar			1	4							4									The mortar needs to be mixed and sampled for each building to be worked on prior to start of work for that building.

**TECHNICAL PROVISIONS
MAINTAIN AND REPAIR TUCKPOINT MASONRY
FOR BASE FACILITIES**

SECTION 1 - GENERAL

1.1 SCOPE OF WORK:

The work to be performed under these specifications consists of the Contractor furnishing plans, labor, material, and equipment necessary to perform all operations required to tuckpoint mortar joints between brick and/or stone on the exterior surfaces of Base buildings and as designated on specific delivery order drawings. The Contractor will strictly comply with these specifications and the terms and conditions of the contract.

1.2 STATEMENT OF WORK:

Listed below is a brief statement of work which describes what will be required of the Contractor for each Delivery Order accomplish under this contract:

- a. Furnish all tools, equipment, scaffold or lift, labor, and materials necessary to tuckpoint mortar joints in exterior face brick on Base buildings, as designated by specific Delivery Order maximum quantities of wall surface area. The wall surface area is a quantity defined as those portions of a wall that actually receives tuckpointing, not the entire wall surface area.
- b. The Contractor is to inspect each building, in the order listed on the Deliver Order and identify areas of loose, missing, or efflorescing mortar. These areas, shall be conjunctively examined by the Contracting Officer's authorized representative(COAR). The COAR and Contractor's quantity estimates will be negotiated to an agreed upon amount for each building listed on the Delivery Order. Once the wall quantity for each building has been finalized, the Contractor will proceed to perform that quantity of work, in accordance with the parameters outlined in these specifications.
- c. Loose brick or stone shall be reset and pointed.
- d. All voids shall be filled, and all loose or efflorescing mortar shall be removed prior to repointing. No firm mortar shall be removed, except firm mortar behind deteriorated mortar needed to be removed to provide the depth listed in paragraph 2.3.b(1)(b).
- e. The buildings to receive tuckpointing in this project, and the order in which they are to be worked on, will be identified in the Delivery Order "Statement of Work" and/or associated drawings.

1.3 GENERAL DESCRIPTION:

Buildings requiring tuckpointing are constructed of brick, and some are two-story structures. Buildings vary in size and architectural details. Tuckpointing required will be at various heights on each unit and will require some work to be done above the first floor level. Tuckpointing and brick repair will extend from chimney to foundation, including window ledges. The Contractor shall visit the site to determine the variations in tuckpointing required by the specifications on each building.

1.4 SAFETY:

All regulations pertaining to safety as noted in the Corps of Engineers Manual EM 385-1-1, OSHA Standards, other applicable AFOSH Standards, and Base Regulations shall be strictly adhered to by the Contractor. Particular care shall be exercised in connection with operation of vehicles and other equipment on the site. Safety barriers and equipment shall be provided by the Contractor, as required.

1.5 DEMOLITION AND DISPOSAL:

All debris shall be removed from the jobsite each day by the Contractor. On completion of the project, the Contractor shall remove all rubbish and accumulated materials and scrap from the premises leaving the jobsite in a clean, acceptable condition. Any adjacent areas which are damaged by the Contractor due to demolition or removal shall be repaired to the satisfaction of the Contracting Officer, or his/her authorized representative (COAR) or replaced. All scrap and debris shall be disposed of off base.

1.6 CONSTRUCTION COORDINATION:

The Contractor shall be responsible for coordinating all phases of his/her operations with the appropriate base personnel through the Contracting Officer. Advance notice of not less than 48 hours will be given to the Contracting Officer or his/her authorized representative (COAR), and approval received, prior to any operations. The Contractor shall cooperate fully with base personnel in these operations as directed by the COAR.

1.7 PERFORMANCE PERIOD:

As stipulated in the individual delivery order, work amounts will vary from building to building.

1.8 WINTER EXCLUSION:

Winter exclusion period for this contract will be November 1 through April 30. The Contractor must suspend work during this time period unless he/she has applied for, and received, approval from the Contracting Officer to continue working. If the Contractor has received approval to continue working during Winter exclusion, he/she has the option to suspend work at any point that would be an appropriate stopping point for the work being accomplished.

1.9 SUBMITTALS:

Submittals, and approval by the Contracting Officer or his/her authorized representative (COAR), on the mortar mixture material and replacement bricks will be required, within two weeks before any work can be done on each individual building.

2.0 Y2K:

The United States Air Force is actively addressing the Year 2000 problem to ensure our mission capabilities will not be diminished. All designs/products/service/support for F.E. Warren must be in compliance with the following:

"Year 2000 compliant, means, with respect to information technology, that the information technology accurately processes date/time data (including, but not limited to, calculating, comparing, and sequencing) from, into, and between the twentieth and twenty-first centuries, and the years 1999 and 2000 and leap year calculations, to the extent that other information technology, used in combination with the information technology being acquired, properly exchanges date/time data with it."

SECTION 2 - TUCKPOINTING OF BRICK WORK

2.1 SCOPE:

The work to be performed under these specifications consists of furnishing labor, material, and equipment necessary to perform all operations required to tuckpoint mortar joints between brick and/or stone on the exterior surfaces of the base buildings and as designated on specific delivery order drawings.

2.2 MORTAR:

- a. Repointing mortar must always be softer, having a lower compressive strength than the surrounding masonry units and existing mortar to prevent spalling and breaking up the existing masonry.
- b. Never use exclusively Portland cement in repointing work on these buildings. High strength Portland cement is very hard, has a tendency to shrink after setting and is subject to large thermal movements which cause "popout".
- c. Mortar Composition:
 - (1) Mortar used in repointing buildings should always have a lower compressive strength than the existing units.
 - (2) Materials specified for use in repointing mortar shall conform to the specifications of the American Society for Testing Materials (ASTM).
 - (3) Materials should be lime-cement mixture that matches color, texture, appearance and hardness of existing mortar after curing in place for at least 3 days.
 - (4) Sand:
 - (a) Match grain sizes that are found in the existing mortar mix from the same building.
 - (b) Use sharp, clean well graded sand, meeting "Standard Specifications for Aggregate for Masonry Mortar", ASTM C-144, 100 percent passing a No. 8 sieve and 12 percent, maximum passing a No. 200 sieve.
 - (c) Sand color will vary with individual building mortars, an attempt should be made to match existing mortar, however, as a general guideline, sand should be a blend of clear, frosted, milky/white, and pink/yellow quartz with not more than 5% black granite or obsidian.
 - (d) The use of sand with the proper sieve sizes, colors, and shapes is critical as the intent is to match the visual characteristics of the original mortar.
 - (e) Use natural sand of salt-free content rather than crushed or manufactured sand.

(5) Lime Cement:

- (a) Use hydrated lime Type S, ASTM C-207 or quicklime ASTM C-5 as the principal binder in repointing projects.
- (b) Adjust lime content and other ingredients as necessary to match color, texture, and appearance of existing mortar.
- (c) Lime putty, a stiff mixture of lime and water putty made from quicklime shall be slaked according to manufacturer's directions and allowed to soak at least 24 hours before using. Putty made from Type S hydrated lime may be used immediately after mixing.

(6) Portland Cement:

- (a) Avoid using Portland cement in mortar mixtures since it can be extremely hard, resists water movement and evaporation from the interior of masonry walls, shrinks upon setting, and undergoes large thermal movements inconsistent with the surrounding masonry.
- (b) Use Portland cement in repointing applications only when increased workability or plasticity is desired, or when mortar analysis verifies that Portland cement was used in the original mortar.
- (c) Portland cement will conform to ASTM C-150 Type II, white nonstaining with less than 0.60 percent alkali to help prevent efflorescence.
- (d) For repointing applications requiring Portland cement do not exceed one part white Portland cement to four parts of lime.
- (e) For repointing surfaces that are extremely weathered such as parapet walls, water tables, or structural elements requiring high compressive strength, such as piers, a harder mortar may be used (six parts sand, three parts lime, two parts white Portland cement).

(7) Water:

Use clean, potable, nonalkaline, and nonacidic water in order to prevent salts and destructive chemicals from entering the masonry wall unit.

(8) Color Additives:

- (a) Use natural materials to match the color of existing mortar.
- (b) Match existing mortar of unweathered exposure (found under porches, eaves, etc.) with the new, cured sample. Samples should be allowed to cure for at least three days before being compared to existing building mortar.
- (c) If a proper color match is impossible, as determined by the Contractor and with approval of the Contracting Officer or his/her authorized representative (COAR), through the use of natural materials, mortar pigments may be used. Use only pigments with a record of satisfactory performance in masonry colors.

(d) Use only chemically pure mineral oxides, such as iron and chromium oxides. Alkali-proof and sun-fast pigments may be compounded for use in mortar mixes.

(e) Do not use pigments that are premixed with mortar.

d. Mortar Mixing:

(1) Adjust lime content and other ingredients as necessary to match color, texture, and appearance of existing mortar.

(2) Measure dry ingredients by volume and thoroughly mix before adding water. Add half of the water, followed by mixing for about five minutes in a drum-type batch mixer. Mix mortar carefully to obtain a uniformity of physical and visual characteristics.

(3) Add the remaining water in small proportions until mortar of the desired consistency is reached.

(4) No additional water will be added after the final mix is prepared.

(5) No antifreeze liquid, salts, or other substances shall be used as an accelerator.

(6) Use mortar within 30 minutes of the final mixing.

e. Mortar work will not be done when ambient temperature is below 40°F.

2.3 REPOINTING:

a. Test Panels:

The mortar and technique should first be tried on a test panel, and the result compared to unweathered joints on the same building. Test panels are to be located in an inconspicuous area of the wall to be restored. Panel areas should not exceed four bricks or stones in an area. Test Panel locations, and the resulting mortar mix, will require the approval of the Contracting Officer or his/her authorized representative (COAR).

b. Removal and Repointing Existing Masonry and Stone:

(1) Joint Raking:

(a) Use hand tools such as a chisel and mallet, only, to remove old mortar. Use of power tools to remove mortar will be allowed, only if any damage caused is repaired at no cost to the Government.

(b) Rake out mortar from joints to a depth equal to two and one-half times their widths but not less than 1/2 inch nor less than that required to expose sound unweathered mortar. One inch depth is common.

for

- (c) Remove any additional loose or disintegrated mortar beyond this minimum depth, to provide reveals with square backs and to expose masonry or stone contact with pointing mortar.
- (d) Brush, vacuum, or flush joints with a jet of potable water (not to exceed 50 psi) to remove dirt and loose debris.

(2) Joint Filling:

- (a) Rinse joints with potable water (not to exceed 50 psi) to remove all loose dust and mortar particles. Time application of rinsing so that, at the time of pointing, excess water has run off or evaporated, and joint surfaces are damp but free of standing water. Provide tarpaulins at the foundation to deflect water.
- (b) Apply first layer of pointing mortar to areas where existing mortar has been removed to depths greater than one inch or surrounding areas.
- (c) Fill the back of the entire joint, applying the repointing mortar in successive layers of 1/4 inch thickness until a uniform depth is formed. Care should be taken to insure that the mortar is well packed into the back corners.
- (d) Extend this application for several feet. When the mortar has reached thumb-print hardness, another 1/4 inch of mortar should be applied. Compact each layer thoroughly.
- (e) Additional layers will be required to fill the joint flush with the outer surface of the brick. After the joints have been filled to a uniform depth, place remaining pointing mortar in three layers with each of the first and second layers filling approximately 2/5's of joint depth and the third layer the remaining 1/5. Fully compact each layer and allow to become thumb-print hard before applying the next layer.
- (f) When existing bricks or stone have rounded edges, recess final layer slightly from face. Take care not to spread mortar over edges onto exposed masonry or stone surfaces, or to feather the edge of the mortar.
- (g) Do not use coating, slur coating, or slurry coating in place of traditional repointing techniques.

c. Joint Tooling:

- (1) When final layer of repointing mortar is thumb-print hard, tool joints to match existing original appearance of jointwork.
- (2) After tooling, remove excess mortar from edge of joint by brushing with a soft natural bristle brush.
- (3) Do not match joint work that encourages masonry deterioration.
- (4) Cure mortar by maintaining a damp condition for no less than 24 hours.

2.4 END OF SPECIFICATIONS: